

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF SIGNAL HEADS FOR SOUTHBOUND PEBBLE BEACH DRIVE AT THE INTERSECTION OF US 40 (BALTIMORE NATIONAL PIKE) AND MD 144 (FREDERICK ROAD) / SOUTH PEBBLE BEACH IN HOWARD COUNTY, MARYLAND. US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE LAG DOUBLE EXCLUSIVE LEFT TURN PHASE FOR WESTBOUND US 40 (BALTIMORE NATIONAL PIKE) AND THE LEAD EXCLUSIVE LEFT TURN PHASE FOR EASTBOUND US 40 (BALTIMORE NATIONAL PIKE) APPROACHES SHALL REMAIN UNCHANGED.

EXCLUSIVE/PERMISSIVE LEFT TURN PHASING WILL BE PROVIDED ON THE SOUTHBOUND PEBBLE BEACH DRIVE APPROACH.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
NONE.		

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8001	10 EACH	12 INCH LED SIGNAL HEAD
8023	1 EACH	REMOVE AND DISPOSE OF EQUIPMENT
8056	405 L.F.	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA  
NONE.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.  
ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.02-13 (INTERSECTION FLAGGING OPERATION)  
STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)  
STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)  
STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)

PROJECT CONTACTS

MR. JOHN CONCANNON  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (301) 624-8140/8141

MS. ANDREA ABEND  
DISTRICT UTILITY ENGINEER  
PHONE: (301) 624-8115/8116

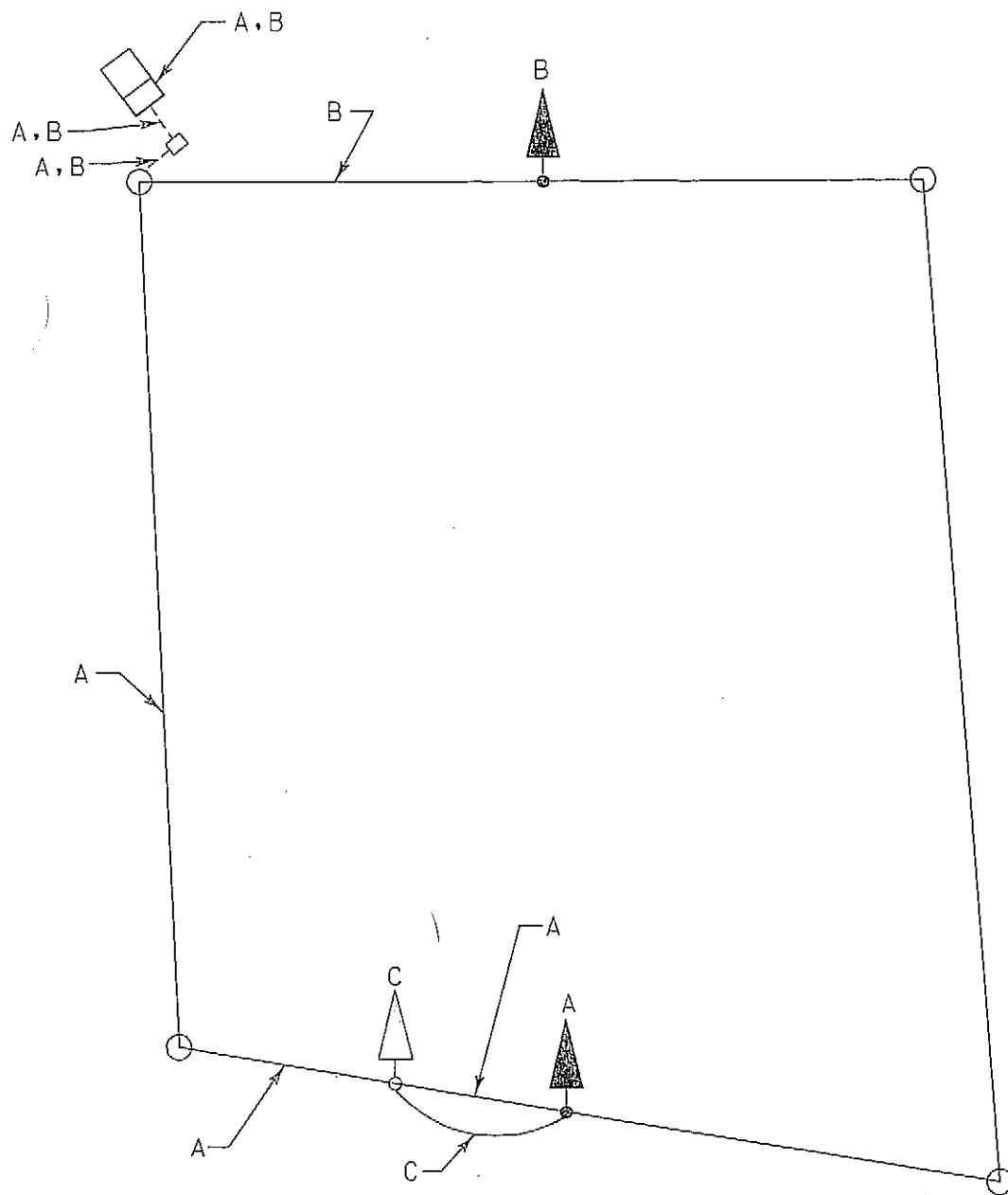
MS. SUSAN PALMER  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (301) 624-8106

MS. CORREN JOHNSON  
CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
PHASE 1 + 6	←G	←G	G	G	←R	←R	←R	R	R	R	R	R	R	R	R
1 + 6 CHANGE	←Y	←Y	G	G	←R	←R	←R	R	R	R	R	R	R	R	R
PHASE 2 + 6	←R	←R	G	G	←R	←R	←R	G	G	R	R	R	R	R	R
2 + 6 CHANGE	←R	←R	Y	Y	←R	←R	←R	G	G	R	R	R	R	R	R
PHASE 2 + 5	←R	←R	R	R	←G	←G	←G	G	G	R	R	R	R	R	R
2 + 5 CHANGE	←R	←R	R	R	←Y	←Y	←Y	Y	Y	R	R	R	R	R	R
PHASE 4 + 7	←R	←R	R	R	←R	←R	←R	R	R	R	R	R	←G	←G	G
4 + 7 CHANGE	←R	←R	R	R	←R	←R	←R	R	R	R	R	R	←Y	←Y	G
PHASE 4 AND 8	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G
4 AND 8 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y
FLASHING OPERATION	←FLR	←FLR	FLY	FLY	←FLR	←FLR	←FLR	FLY	FLY	FLR	FLR	FLR	FLR	FLR	FLR

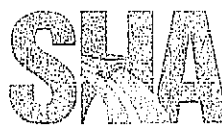
WIRING DIAGRAM



WIRING KEY

A } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)  
B }  
C } EXISTING 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) TO BE RE-USED

TOD NO: XX650-31  
SHA NO: HO221B5B  
US 40 @ Pebble Beach Drive



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
US 40 (BALTIMORE NATIONAL PIKE) AND  
MD 144 (FREDERICK ROAD)/PEBBLE BEACH DRIVE  
(ELLCOTT CITY, MARYLAND)

GENERAL INFORMATION SHEET

SCALE	NONE	DATE	APRIL 2013	CONTRACT NO.	XX6505185
DESIGNED BY	G. PECK	COUNTY	HOWARD		
DRAWN BY	G. PECK	LOGMILE	13004015.33		
CHECKED BY	N. LEARY	TIMS NO.	L744		
F.A.P. NO.		TOD NO.			
TS NO.	3391C	DRAWING	TSP-2	OF 2	SHEET NO. 2 OF 2



WHITMAN, REQUARDT & ASSOCIATES, LLP  
801 South Caroline Street, Baltimore, Maryland 21231

PLOTTED: May 13, 2013  
FILE: N:\31689-200\CAD\DWG\MD144.dgn